WHAT IS CLAIMED IS:

1.   An image processing method of generating a conversion condition for a scanner which is used for reading an image and generating image data, said method comprising the steps of:

obtaining a reading property of an object scanner based on image data obtained by that the object scanner reads a chart; and

generating the conversion condition for the object scanner based on the reading property of the object scanner, a previously prepared reading property of a standard scanner and a previously prepared brightness-density conversion condition for the standard scanner.

2.   An image processing method as claimed in claim 1, wherein said generating step combines an inverse function of input level-brightness conversion property of the object scanner, an input level-brightness conversion property of the standard scanner, and the brightness-density conversion condition of the standard scanner so as to generate the conversion condition for converting an input level in the object scanner to density data in the standard scanner.

3.   An image processing method as claimed in claim 1 further comprising the steps of:

inputting image data obtained by that the object scanner reads a chart formed by image forming means;

converting the input image data to density data by using the conversion condition generated; and

5　　　calibrating a correction condition for the image forming means based on the density data.

4.　An image processing method of generating a correction condition for a scanner used when calibrating a correction

10　condition for image forming means; said method comprising the steps of:

holding a correction condition for a standard scanner;

judging as to whether the scanner used for calibration is the standard scanner or not;

15　executing generation of the correction condition for the scanner when the scanner is not judged to be the standard scanner; and

not executing generation of the correction condition for the scanner when the scanner is judged to be the

20　standard scanner.

5.　An image processing apparatus for generating a conversion condition for a scanner which is used for reading an image and generating image data, said apparatus

25　comprising:

means for obtaining a reading property of an object scanner based on image data obtained by that the object

scanner reads a chart; and

generating means for generating the conversion condition for the object scanner based on the reading property of the object scanner, a previously prepared reading property of a standard scanner and a previously prepared brightness-density conversion condition for the standard scanner.

6. An image processing apparatus comprising:

generating means for generating a correction condition for a scanner used when calibrating a correction condition for image forming means;

holding means for holding a correction condition for a standard scanner; and

judging means for judging as to whether the scanner used for calibration is the standard scanner or not;

wherein said generating means executes generation of the correction condition for the scanner when the scanner is not judged to be the standard scanner, and said generating means does not execute generation of the correction condition for the scanner when the scanner is judged to be the standard scanner.

7. A storage medium storing a program readably by a computer, the program being for realizing an image processing method of generating a conversion condition for a scanner which is used for reading an image and generating

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image data,

said method comprising the steps of:

obtaining a reading property of an object scanner based on image data obtained by that the object scanner

5 reads a chart; and

generating the conversion condition for the object scanner based on the reading property of the object scanner, a previously prepared reading property of a standard scanner and a previously prepared brightness-density

10 conversion condition for the standard scanner.

8. A storage medium storing a program readably by a computer, the program being for realizing an image processing method of generating a correction condition for

15 a scanner used when calibrating a correction condition for image forming means;

said method comprising the steps of:

holding a correction condition for a standard scanner;

judging as to whether the scanner used for calibration

20 is the standard scanner or not;

executing generation of the correction condition for the scanner when the scanner is not judged to be the standard scanner; and

not executing generation of the correction condition

25 for the scanner when the scanner is judged to be the standard scanner.

9. An image processing method as claimed in claim 1,
further comprising the step of:

informing a user of that the reading property is
inappropriate when the reading property obtained by said
5   obtaining step is inappropriate for generation of the
conversion condition in said generating step.

10. An image processing method as claimed in claim 9,
further comprising the step of:
10   displaying reading property obtained by said
obtaining step by means of a predetermined display device.

11. An image processing apparatus as claimed in claim 5,
further comprising:
15   means for informing a user of that the reading property
is inappropriate when the reading property obtained by said
means for obtaining is inappropriate for generation of the
conversion condition by said generating means.

20 12. An image processing apparatus as claimed in claim 11,
further comprising:
display means for displaying reading property
obtained by said means for obtaining.

25 13. A calibration method of performing a calibration for
a printing apparatus, said method comprising the steps of:
preparing a reading device for reading a predetermined

image printed by the printing apparatus;

executing the calibration by renewing brightness-density conversion data obtained based on a reading property of the reading device, a previously prepared

5 predetermined reading property and a previously prepared brightness-density conversion condition corresponding to the predetermined reading property; and

measuring density of the predetermined image by means of the reading device which has been subject to calibration

10 by said calibration step; and

generating calibration data for the calibration for the printing apparatus based on a result of measurement in said measuring step.

15 14. A calibration method as claimed in claim 13, wherein renewing brightness-density conversion data is performed by selecting brightness-density conversion data corresponding to the reading device relating to the calibration from previously prepared plurality of

20 brightness-density conversion data.

15. An information processing apparatus for performing a calibration for a printing apparatus, said apparatus comprising:

25 reading control means for controlling a reading device for reading a predetermined image printed by the printing apparatus;

executing means for executing the calibration by renewing brightness-density conversion data obtained based on a reading property of the reading device, a previously prepared predetermined reading property and a

5   previously prepared brightness-density conversion condition corresponding to the predetermined reading property; and

generating means for generating calibration data for the calibration for the printing apparatus based on a

10   density measurement result measured by, under the control of said reading control means, the reading device which has been subject to calibration by said executing means.

16. An information processing apparatus as claimed in

15   claim 15, wherein said executing means renews brightness-density conversion data by selecting brightness-density conversion data corresponding to the reading device relating to the calibration from previously prepared plurality of brightness-density conversion data.

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